

References

Effect of duration of Er,Cr:YSGG

laser etching on dentin morphology

An in vitro study

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1. Shahabi S, Chiniforoush N, Bahramian H, Monzavi A, Baghalian A, Kharazifard M (2012) Comparison of tensile bond strength of composite to dentin in conventional or laser-prepared cavities (Er;Cr:YSGG). *J Oral Laser Appl* 10:107–110.
2. Hibst R (2002) Laser for caries removal and cavity preparation: state of the art and future directions. *J Oral Laser Appl* 2(4):202–212.
3. Valian A, Salehi E (2013) Fundamentals of operative dentistry Summitt's. In: Hilton T. pp 434–435.
4. Pashley DH, Tay FR, Breschi L, Tjäderhane L, Carvalho RM, Carrilho M, Tezvergil-Mutluay A (2011) State of the art etch-and-rinse adhesives. *Dent Mater* 27:1–16.
5. Gwinnett AJ, Matsui A (1967) A study of enamel adhesives. The physical relationship between enamel and adhesive. *Arch Oral Biol* 12:1615–1620.
6. Fusayama T (1980) New concepts in operative dentistry. Quintessence, Chicago.
7. Eghbali F (2012) Craig's restorative dental materials. In: Ronald A, John M. pp 332–333.
8. Marshall SJ, Bayne SC, Baier R, Tomsia AP, Marshall GW (2010) A review of adhesion science. *Dent Mater* 26(2):e11–e16.
9. Perdigão J (2007) New developments in dental adhesion. *Dent Clin N Am* 51(2):333–357.
10. Liu Y, Tjäderhane L, Breschi L, Mazzoni A, Li N, Mao J, Pashley DH, Tay FR (2011) Limitations in bonding to dentin and experimental strategies to prevent bond degradation. *J Dent Res* 90:953–968.
11. Breschi L, Mazzoni A, Ruggeri A, Cadenaro M, Di Lenarda R, De Stefano Dorigo E (2008) Dental adhesion review: aging and stability of the bonded interface. *Dent Mater* 24:90–101.
12. Lopes GC, Vieira LC, Araújo E, Bruggmann T, Zucco J, Oliveira G (2011) Effect of dentin age and acid etching time on dentin bonding. *J Adhes Dent* 13:139–145.
13. Ergücü Z, Çelik EU, Ünlü N, Türkün M, Özer F (2009) Effect of Er,Cr:YSGG laser on the microtensile bond strength of two different adhesives to the sound and caries-affected dentin. *Oper Dent* 34(4): 460–466.

14. Beer F, Buchmair A, Körpert W, Marvastian L, Wernisch J, Moritz A (2012) Morphology of resin–dentin interfaces after Er,Cr:YSGG laser and acid etching preparation and application of different bonding systems. *Lasers Med Sci* 27:835–841.
15. Lee BS, Lin PY, ChenMH, Hsieh TT, Lin CP, Lai JY, LanWH (2007) Tensile bond strength of Er, Cr:YSGG laser-irradiated human dentin and analysis of dentin–resin interface. *Dent Mat* 23:570–578.
16. Eghbali F (2009) Low level or therapeutic lasers. In: Fekrazad R (ed) Applying low level laser therapy in dentistry. Tehran: Shayan Nemoodar 44–45:19–20.
17. Van As G (2004) Erbium lasers in dentistry. *Dent Clin N Am* 48: 1017–1059 *Laser Dent.*